

5 CLAIMS

What is claimed is:

1. A method for providing extensible client mail functions using a
10 distributed computer network comprising:
 - a) receiving a request for mail functions from a client;
 - b) accessing a Java server page corresponding to the request;
 - c) accessing a plurality of tags contained within the Java server page;
 - d) processing the Java server page using the tags to access a mail
15 server for providing the mail functions; and
 - e) transmitting the processed Java server page to the client.
2. The method of Claim 1 further comprising:
accessing the Java server page corresponding to the request, wherein
20 the Java server page is retrieved from a set of compiled Java server page
classes.
3. The method of Claim 1 wherein the tags contained within the Java
server page are configured to provide access to mail functions provided by the
25 mail server.
4. The method of Claim 1 further comprising:
providing extended mail functions by accessing a plurality of extended
tags contained within the Java server page, wherein the mail functions are
30 extended by adding the extended tags corresponding to new mail functionality
of the mail server.

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5. The method of Claim 1 further comprising:
transmitting the processed Java server page to the client in accordance
with WAP (wireless application protocol) communication standards.

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6. The method of Claim 1 further comprising:
transmitting the processed Java server page to the client in accordance
with WML (wireless markup language) communication standards.

2004ES12P-A44604

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7. A method for generating an extended Java server page for providing
extensible client mail functions comprising:
a) invoking a Java server page using a page editor application to
generate a new Java server page;
b) specifying a command tag to build or reference a collection of objects;
c) specifying a collection tag that provides access to the collection;
20 d) specifying a bean tag to access individual objects inside the collection
of objects, wherein the command tag, the collection tag, and the bean tag are
configured to provide access to mail functions of a mail server; and
e) saving the new Java server page.

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8. The method of Claim 7 wherein the new Java server page includes
HTML content and the tags from b), c), and d).

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9. The method of Claim 8 wherein the tags are configured to provide
dynamic content for the Java server page.

10. The method of Claim 8 further comprising:

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5 customizing the new Java server page by customizing the tags.

11. The method of Claim 7 wherein the tags from b), c), and d) are selected from a tag library configured to provide access to a plurality of functions of the mail server.

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12. A system for providing extensible client mail functions using a distributed computer network comprising:

a computer system having a processor coupled to a memory via a bus, the memory having computer readable code which when executed by the processor cause the computer system to implement a method for providing extensible client mail functions, comprising:

- a) receiving a request for mail functions from a client;
- b) accessing a Java server page corresponding to the request;
- c) accessing a plurality of tags contained within the Java server page;
- d) processing the Java server page using the tags to access a mail server for providing the mail functions; and
- e) transmitting the processed Java server page to the client.

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25 13. The system of Claim 12 further comprising:

accessing the Java server page corresponding to the request, wherein the Java server page is retrieved from a set of compiled Java server page classes.

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5 14. The system of Claim 12 wherein the tags contained within the Java
server page are configured to provide access to mail functions provided by the
mail server.

15. The system of Claim 12 further comprising:

10 providing extended mail functions by accessing a plurality of extended
tags contained within the Java server page, wherein the mail functions are
extended by adding the extended tags corresponding to new mail functionality
of the mail server.

15 16. The system of Claim 12 further comprising:

transmitting the processed Java server page to the client in accordance
with WAP (wireless application protocol) communication standards.

17. The system of Claim 12 further comprising:

20 transmitting the processed Java server page to the client in accordance
with WML (wireless markup language) communication standards.